

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicants: Peter M. Glazer and Pamela A. Havre

Serial No.: Continuation of 08/083,088

Express Mail Label

No.: E1 709 418 853 US

Filed: February 14, 2001

Date of Deposit: February 14, 2001

For: *CHEMICALLY MODIFIED OLIGONUCLEOTIDE FOR SITE-DIRECTED
MUTAGENESIS*

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56 and 37 C.F.R. §1.97, Applicants submit an Information Disclosure Statement, including four (4) pages of Form PTO-1449. The documents cited below were cited by or submitted to the Patent Office in Application Serial No. 08/083,088, filed June 25, 1993, to which the present application claims priority. Pursuant to 37 C.F.R. §1.98(d), Applicants are not enclosing copies of these publications. Copies will be provided upon request, however.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b) prior to a first Office Action on the merits. It is believed that no fee is required with this submission. However, should a fee be required, the Commissioner is hereby authorized to charge any required fees to Deposit Account No. 01-2507.

Foreign Documents

<u>Number</u>	<u>Publication Date</u>	<u>Patentee</u>	<u>Country</u>
0 266 099	05-04-1988	Johns Hopkins University	EP
0 375 408	06-27-1990	Baylor College of Medicine	EP

Publications

BEAL, et al., "Second Structural Motif for Recognition of DNA by Oligonucleotide-Directed Triple-Helix Formation," *Science* 251:1360-1363 (1991).

BEAL, et al., "The Influence of Single Base Triplet Changes on the Stability of Pur-Pur-Pyr Triple Helix Determined by Affinity Cleaving," *Nuc. Acids Res.* 11:2773 (1992).

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ITO, et al., "Sequence-Specific DNA Purification by Triplex Affinity Capture," *Proc. Natl. Acad. Sci. USA* 89:495 (1992).

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MIRABELLI, et al., "In Vitro and in vivo pharmacologic activities of antisense oligonucleotides," *Anticancer Design* 6:647-661 (1991).

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ORSON, et al., "Oligonucleotide Inhibition of IL2R α mRNA Transcription by Promoter Region Collinear Triplexed Formation in Lymphocytes," *Nucleic Acids Res.* 19:3435 (1991).

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STROBEL, "Site-Specific Cleavage of Human Chromosome 4 Mediated by Triple-Helix Formation," *Science* 254:1639 (1991).

TAKASUGI, et al., "Sequence-specific Photo-Induced Cross-Linking of the Two Strands of Double-Helical DNA by a Psoralen Covalently Linked to a Triple Helix Forming Oligonucleotide," *Proceedings of the National Academy of Sciences of USA* 88(13):5602-5606 (1991).

UHLMAN, et al., "Antisense Oligonucleotides: A New Therapeutic Principle," *Chem. Reviews* 90(4):544-584 (1990).

WOOD, et al., "The Effect of Volume and Temperature on the Energy and Entropy of Pure Liquids," *J. Am. Chem. Soc.* 79:2023 (1957).

YOUNG, "Triple Helix Formation Inhibits Transcription Elongation *in vitro*," *Proc. Natl. Sci. USA* 88:10023 (1991).

Remarks

This statement should not be interpreted as a representation that an exhaustive search has been conducted or that no better art exists. Moreover, Applicants invite the Examiner to make an independent evaluation of the cited art to determine its relevance to the subject matter of the present application. Applicants are of the opinion that their claims patentably distinguish over the art referred to herein, either alone or in combination.

Respectfully submitted,



Robert A. Hodges
Reg. No. 41,074

Dated: February 14, 2001

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Complete if Known

Application Number

Continuation of 08/083,088

Filing Date

February 14, 2001

First Named Inventor

Peter M. Glazer

Group Art Unit

Examiner Name

Attorney Docket Number

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U.S. PATENT DOCUMENTS

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		Application Number	Continuation of 08/083,088		
		Filing Date	February 14, 2001		
		First Named Inventor	Peter M. Glazer		
		Group Art Unit			
		Examiner Name			
Sheet	2	of	4	Attorney Docket Number	YU 109 CON

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		BEAL, et al., "Second Structural Motif for Recognition of DNA by Oligonucleotide-Directed Triple-Helix Formation," <i>Science</i> 251:1360-1363 (1991).	
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OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
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Teresa R. Spratt

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